CLAIMS

Having thus described our invention, what is claimed is:

1.   A method for projecting usage of computer resources for a plurality of processing systems in a processing environment comprising the steps of:

representing the capacity of each of said plurality of processing systems in units of time; and

sorting the capacities of said plurality of processing systems from shortest to longest time.

2.   The method of Claim 1 wherein said representing of the capacity of each of said plurality of processing systems comprises:

calculating the life expectancy of each of said resources;

identifying at least one critical resource having the shortest life expectancy; and

defining the life expectancy of the system as the life expectancy of the at least one critical resource.

3. The method of Claim 1 further comprising altering the workload on at least two of said plurality of processing systems to improve resource utilization.

4. The method of Claim 2 further comprising altering the workload on at least two of said plurality of processing systems to improve resource utilization.

5. The method of Claim 3 further comprising reevaluating the usage of computer resources for the at least two of said plurality of processing systems.

6. The method of Claim 1 wherein said representing comprises plotting the life expectancy for each of N resources of each processing system in an N dimensional capacity space.

7. The method of Claim 6 further comprising identifying at least one critical resource for each processing system based on its location within the N dimensional capacity space.

8. The method of Claim 6 further comprising identifying at least one available resource in said plurality of processing systems based on its location within the N dimensional capacity space.

9. The method of Claim 7 further comprising identifying at least one available resource in said plurality of processing systems based on its location within the N dimensional capacity space.

10. The method of Claim 9 further comprising balancing of workload from said at least one critical resource to said at least one available resource.

11. A system for projecting usage of computer resources for a plurality of processing systems in a processing environment comprising:

at least one administrative processor comprising:

a normalizing component for representing the capacity of each of said plurality of processing systems in units of time; and

a sort component for sorting the capacities of said plurality of processing systems from shortest to longest time.

12. The system of Claim 11 wherein said normalizing component comprises:

a calculating component for calculating the life expectancy of each of said resources;

an identifier component for identifying at least one critical resource having the shortest life expectancy; and

a definitional component for defining the life expectancy of the system as the life expectancy of the at least one critical resource.

13. The system of Claim 12 wherein said sort component comprising means for sorting the capacities based on life expectancy.

14. The system of Claim 11 further comprising processing means for applying a reallocation algorithm to adjust workload among said plurality of processing systems.

15. A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for projecting usage of computer resources for a plurality of processing systems in a processing environment, said method comprising the steps of:

   representing the capacity of each of said plurality of processing systems in units of time; and

   sorting the capacities of said plurality of processing systems from shortest to longest time.